

Appl. No. 09/729,626
Atty. Docket No. 7880M
Amdt. dated April 1, 2003
Reply to Office Action of October 22, 2002

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1. (Original) A macroscopically three-dimensional non-apertured cleaning sheet comprising a structure consisting of materials selected from the group consisting of woven materials and nonwoven materials, having a working face and a back face, wherein the working face comprises non-random raised regions and recessed regions.

Claim 2. (Original) The non-apertured cleaning sheet of Claim 1 wherein the structure consists of material formed by hydroentanglement of fibers selected from the group consisting of natural fibers, polyolefins, polyesters, polyamides, synthetic cellulotics, biodegradable fibers, bicomponent fibers, and blends thereof.

Claim 3. (Original) The cleaning sheet of Claim 2 wherein the structure consists of hydroentangled carded polyester fiber.

Claim 4. (Original) The non-apertured cleaning sheet of Claim 1 wherein the Average Height Differential of the working faces is at least about 0.5 mm.

Claim 5. (Original) The non-apertured cleaning sheet of Claim 2 wherein the Average Height Differential of the working faces is at least about 1 mm.

Claim 6. (Original) The non-apertured cleaning sheet of Claim 3 wherein the Average Height Differential of the working face is at least about 1.5 mm.

Claim 7. (Original) The non-apertured cleaning sheet of Claim 1 wherein the recessed region forms a continuous pattern in the X-Y dimension surrounding discrete raised regions.

Claim 8. (Original) The non-apertured cleaning sheet of Claim 4 wherein the recessed region forms a continuous pattern in the X-Y dimension surrounding discrete raised regions.

Claim 9. (Original) The non-apertured cleaning sheet of Claim 5 wherein the average width of the continuous recessed region is from about 0.25 mm to about 3 mm.

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Claim 10. (Original) The non-apertured cleaning sheet of Claim 6 wherein the width of the continuous recessed region is from about 0.25 mm to about 3 mm.

Claim 11. (Original) The non-apertured cleaning sheet of Claim 8 wherein the discrete raised surface is in the shape of a rounded parallelogram having a height of from about 6.0 mm to about 7.0 mm, a short diagonal of from about 6.5 mm to about 7.5 mm, and a long diagonal of from about 9.0 mm to about 10.0 mm.

Claim 12. (Original) The non-apertured cleaning sheet of Claim 8 wherein the discrete raised surface is in the shape of a wineskin having a width of from about 2.7 mm to about 3.7 mm, a base of from about 1.0 mm to about 2.0 mm, a height of from about 3.2 mm to about 4.2 mm, and a neck from about 0.5 mm to about 1.5 mm.

Claim 13. (Original) The non-apertured cleaning sheet of Claim 8 wherein the discrete raised surface is in the shape of a pie piece having side lengths of from about 2.0 mm to about 3.0 mm and a base lengths of from about 1.0 mm to about 2.0 mm, and having an included angle between the two sides of from about 55° to about 65°.

Claim 14. (Original) The non-apertured cleaning sheet of Claim 8 wherein the discrete raised surface is in the shape of a waved rectangle having a length of 4.0 mm to about 5.0 mm and a width of from about 1.5 mm to about 2.5 mm.

Claim 15. (Original) The non-apertured cleaning sheet of Claim 1 which further comprises a scrim.

Claim 16. (Original) The non-apertured cleaning sheet of Claim 8 which further comprises a scrim.

Claim 17. (Original) The non-apertured cleaning sheet of Claim 14 wherein the scrim is derived from a polyolefin.

Claim 18. (Original) The non-apertured cleaning sheet of Claim 15 wherein the scrim is derived from material selected from the group consisting of polypropylene, polyethylene, ethyl vinyl acetate, and mixtures thereof.

Claim 19. (Original) The non-apertured cleaning sheet of Claim 1 having an additive applied at a low effective level.

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Claim 20. (Original) The non-apertured cleaning sheet of Claim 15 having an additive applied at a low effective level.

Claim 21. (Original) The non-apertured cleaning sheet of Claim 18 wherein additive is included at an add-on level of at least about 0.01%, by weight of the sheet.

Claim 22. (Original) The non-apertured cleaning sheet of Claim 19 wherein additive is included at an add-on level of at least about 1%, by weight of the sheet.

Claim 23. (Original) The non-apertured cleaning sheet of Claim 20 wherein additive is included at an add-on level of from about 1 to about 15%, by weight of the sheet.

Claim 24. (Original) The non-apertured cleaning sheet of Claim 21 wherein additive is included at an add-on level of from about 3 to about 10%, by weight of the sheet.

Claim 25. (Original) The non-apertured cleaning sheet of Claim 22 wherein the additive is a mixture of mineral oil and a wax.

Claim 26. (Original) The non-apertured cleaning sheet of Claim 1 wherein the working outer surface of the non-apertured cleaning sheet demonstrates improved cleaning performance in consumer panel testing relative to a cleaning sheet that has a random macroscopic three dimensional character.

Claim 27. (Original) A non-apertured cleaning sheet that reduces the level of airborne materials in the atmosphere, relative to a cleaning sheet that has a random macroscopic three dimensional character.

Claim 28. (Original) A non-apertured cleaning sheet that reduces the level of particulate soils on surfaces, relative to a cleaning sheet that has a random macroscopic three dimensional character.

Claims 29-30 (Currently Cancelled) ✓

Claim 31. (Original) A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein the cleaning sheet is the sheet of Claim 1.

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Claim 32. (Original) A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein the cleaning sheet is the sheet of Claim 6.

Claim 33. (Original) A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein the cleaning sheet is the sheet of Claim 8.

Claim 34. (Original) A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein the cleaning sheet is the sheet of Claim 13.

Claim 35. (Original) A cleaning implement comprising:

- a. a handle; and
- b. a removable non-apertured cleaning sheet that provides greater reduction in the level of airborne materials in the atmosphere, relative to other products and practices for similar cleaning purposes.

Claim 36. (Original) A cleaning implement comprising:

- a. a handle; and
- b. a removable, non-apertured cleaning sheet that provides greater reduction in the level of particulate soils on surfaces, relative to other products and practices for similar cleaning purposes.

Claim 37. (Original) A method for cleaning a surface comprising contacting the surface with the working face of the cleaning sheet of Claim 1.

Claim 38. (Original) A method for cleaning a surface comprising contacting the surface with the working face of the cleaning sheet of Claim 13.

Claim 39 (Currently Cancelled) ✓

Claim 40. (Original) An article of manufacture comprising the non-apertured cleaning sheets of Claim 1 having been folded such that the working face of the sheet is on the outside

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as folded, the cleaning sheets being contained in a package in association with instructions to lay the sheet on a surface, then unfold the sheet, then place the hand or the implement handle on the sheet, and proceed to clean.

Claims 41-46 (Currently Cancelled) 